

ABSTRACT

Objective:

To compare the safety and efficacy of oral misoprostol and intracervical dinoprostone gel for induction of labour in term prelabour rupture of membrane.

Study Design:

This prospective study was conducted at Govt.Kilpauk medical college hospital between Feb2018 and Sep 2018. For 100 patients with term PROM ,induction of labour were alternately assigned to induction with misoprostol 25mcg 4th hrly or with dinoprostone gel 0.5 mg 6th hrly.

Result:

Misoprostol was more effective than dinoprostone in causing cervical ripening, and inducing labour. It shortens the duration of labour ($P<0.001$), and decreases the need for oxytocin augmentation($P<0.001$). There was no significant difference in the mode of delivery, rate of caesaerean section, maternal complication or neonatal outcome and complications in both the groups.

Conclusion:

Misoprostol is safe, efficient and economical drug for induction of labour, which is easy to preserve and administer. It shortens the induction delivery interval, with less need of oxytocin compared to dinoprostone.

Key words: Misoprostol, Dinoprostone,PROM, Induction of labour, Oxytocin.